

### **ABSTRACT**

A turbo-machine (1), including a stator (2), internally coated with a running-in layer (6), a rotor (4) within the stator (2), wherein the turbo-machine (1) supplementally includes a device for parallel displacement and rotation of the rotation axis of the rotor (10) about the axis of symmetry of the stator (2). By means of this device the gap width between stator (2) and rotor (4) is minimized and therewith the economy of the turbo-machine (1) is increased.